

PCT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/744,788

DATE: 04/04/2001

TIME: 11:31:59

Input Set : A:\A29961.app

Output Set: N:\CRF3\04042001\I744788.raw

3 <110> APPLICANT: Yu, Kin Tak  
 4 Thrower, Larry W.  
 5 Labaudiniere, Richard F.  
 7 <120> TITLE OF INVENTION: ISOFORMS OF HUMAN CALCIUM SENSING RECEPTOR  
 9 <130> FILE REFERENCE: A2996-US  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/744,788  
 C--> 12 <141> CURRENT FILING DATE: 2001-01-30  
 14 <160> NUMBER OF SEQ ID NOS: 12  
 16 <170> SOFTWARE: PatentIn Ver. 2.1

*Does Not Comply  
 Corrected Diskette Needed  
 See p. 4*

## ERRORED SEQUENCES

1261 <210> SEQ ID NO: 12  
 1262 <211> LENGTH: 1078  
 1263 <212> TYPE: PRT  
 1264 <213> ORGANISM: Homo sapiens  
 1266 <400> SEQUENCE: 12  
 1267 Met Ala Phe Tyr Ser Cys Cys Trp Val Leu Leu Ala Leu Thr Trp His  
 1268 1 5 10 15  
 1270 Thr Ser Ala Tyr Gly Pro Asp Gln Arg Ala Gln Lys Lys Gly Asp Ile  
 1271 20 25 30  
 1273 Ile Leu Gly Gly Leu Phe Pro Ile His Phe Gly Val Ala Ala Lys Asp  
 1274 35 40 45  
 1276 Gln Asp Leu Lys Ser Arg Pro Glu Ser Val Glu Cys Ile Arg Tyr Asn  
 1277 50 55 60  
 1279 Phe Arg Gly Phe Arg Trp Leu Gln Ala Met Ile Phe Ala Ile Glu Glu  
 1280 65 70 75 80  
 1282 Ile Asn Ser Ser Pro Ala Leu Leu Pro Asn Leu Thr Leu Gly Tyr Arg  
 1283 85 90 95  
 1285 Ile Phe Asp Thr Cys Asn Thr Val Ser Lys Ala Leu Glu Ala Thr Leu  
 1286 100 105 110  
 1288 Ser Phe Val Ala Gln Asn Lys Ile Asp Ser Leu Asn Leu Asp Glu Phe  
 1289 115 120 125  
 1291 Cys Asn Cys Ser Glu His Ile Pro Ser Thr Ile Ala Val Val Gly Ala  
 1292 130 135 140  
 1294 Thr Gly Ser Gly Val Ser Thr Ala Val Ala Asn Leu Leu Gly Leu Phe  
 1295 145 150 155 160  
 1297 Tyr Ile Pro Gln Val Ser Tyr Ala Ser Ser Ser Arg Leu Leu Ser Asn  
 1298 165 170 175  
 1300 Lys Asn Gln Phe Lys Ser Phe Leu Arg Thr Ile Pro Asn Asp Glu His  
 1301 180 185 190  
 1303 Gln Ala Thr Ala Met Ala Asp Ile Ile Glu Tyr Phe Arg Trp Asn Trp  
 1304 195 200 205  
 1306 Val Gly Thr Ile Ala Ala Asp Asp Asp Tyr Gly Arg Pro Gly Ile Glu  
 1307 210 215 220  
 1309 Lys Phe Arg Glu Glu Ala Glu Glu Arg Asp Ile Cys Ile Asp Phe Ser

## RAW SEQUENCE LISTING

DATE: 04/04/2001

PATENT APPLICATION: US/09/744,788

TIME: 11:31:59

Input Set : A:\A29961.app

Output Set: N:\CRF3\04042001\I744788.raw

1310	225				230				235				240			
1312	Glu	Leu	Ile	Ser	Gln	Tyr	Ser	Asp	Glu	Glu	Glu	Ile	Gln	His	Val	Val
1313					245					250					255	
1315	Glu	Val	Ile	Gln	Asn	Ser	Thr	Ala	Lys	Val	Ile	Val	Val	Phe	Ser	Ser
1316				260					265					270		
1318	Gly	Pro	Asp	Leu	Glu	Pro	Leu	Ile	Lys	Glu	Ile	Val	Arg	Arg	Asn	Ile
1319			275					280					285			
1321	Thr	Gly	Lys	Ile	Trp	Leu	Ala	Ser	Glu	Ala	Trp	Ala	Ser	Ser	Ser	Leu
1322		290					295					300				
1324	Ile	Ala	Met	Pro	Gln	Tyr	Phe	His	Val	Val	Gly	Gly	Thr	Ile	Gly	Phe
1325	305				310						315					320
1327	Ala	Leu	Lys	Ala	Gly	Gln	Ile	Pro	Gly	Phe	Arg	Glu	Phe	Leu	Lys	Lys
1328				325						330				335		
1330	Val	His	Pro	Arg	Lys	Ser	Val	His	Asn	Gly	Phe	Ala	Lys	Glu	Phe	Trp
1331			340						345				350			
1333	Glu	Glu	Thr	Phe	Asn	Cys	His	Leu	Gln	Glu	Gly	Ala	Lys	Gly	Pro	Leu
1334			355					360					365			
1336	Pro	Val	Asp	Thr	Phe	Leu	Arg	Gly	His	Glu	Glu	Ser	Gly	Asp	Arg	Phe
1337		370					375					380				
1339	Ser	Asn	Ser	Ser	Thr	Ala	Phe	Arg	Pro	Leu	Cys	Thr	Gly	Asp	Glu	Asn
1340	385				390						395					400
1342	Ile	Ser	Ser	Val	Glu	Thr	Pro	Tyr	Ile	Asp	Tyr	Thr	His	Leu	Arg	Ile
1343				405						410					415	
1345	Ser	Tyr	Asn	Val	Tyr	Leu	Ala	Val	Tyr	Ser	Ile	Ala	His	Ala	Leu	Gln
1346			420						425				430			
1348	Asp	Ile	Tyr	Thr	Cys	Leu	Pro	Gly	Arg	Gly	Leu	Phe	Thr	Asn	Gly	Ser
1349		435						440					445			
1351	Cys	Ala	Asp	Ile	Lys	Lys	Val	Glu	Ala	Trp	Gln	Val	Leu	Lys	His	Leu
1352		450					455				460					
1354	Arg	His	Leu	Asn	Phe	Thr	Asn	Asn	Met	Gly	Glu	Gln	Val	Thr	Phe	Asp
1355	465				470						475					480
1357	Glu	Cys	Gly	Asp	Leu	Val	Gly	Asn	Tyr	Ser	Ile	Ile	Asn	Trp	His	Leu
1358				485						490				495		
1360	Ser	Pro	Glu	Asp	Gly	Ser	Ile	Val	Phe	Lys	Glu	Val	Gly	Tyr	Tyr	Asn
1361			500						505				510			
1363	Val	Tyr	Ala	Lys	Lys	Gly	Glu	Arg	Leu	Phe	Ile	Asn	Glu	Glu	Lys	Ile
1364			515					520					525			
1366	Leu	Trp	Ser	Gly	Phe	Ser	Arg	Glu	Val	Pro	Phe	Ser	Asn	Cys	Ser	Arg
1367		530					535					540				
1369	Asp	Cys	Leu	Ala	Gly	Thr	Arg	Lys	Gly	Ile	Ile	Glu	Gly	Glu	Pro	Thr
1370	545					550					555					560
1372	Cys	Cys	Phe	Glu	Cys	Val	Glu	Cys	Pro	Asp	Gly	Glu	Tyr	Ser	Asp	Glu
1373				565						570				575		
1375	Thr	Asp	Ala	Ser	Ala	Cys	Asn	Lys	Cys	Pro	Asp	Asp	Phe	Trp	Ser	Asn
1376			580						585				590			
1378	Glu	Asn	His	Thr	Ser	Cys	Ile	Ala	Lys	Glu	Ile	Glu	Phe	Leu	Ser	Trp
1379		595					600					605				
1381	Thr	Glu	Pro	Phe	Gly	Ile	Ala	Leu	Thr	Leu	Phe	Ala	Val	Leu	Gly	Ile
1382		610					615					620				

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/744,788

DATE: 04/04/2001

TIME: 11:31:59

Input Set : A:\A29961.app

Output Set: N:\CRF3\04042001\I744788.raw

```

1384 Phe Leu Thr Ala Phe Val Leu Gly Val Phe Ile Lys Phe Arg Asn Thr
1385 625 630 635 640
1387 Pro Ile Val Lys Ala Thr Asn Arg Glu Leu Ser Tyr Leu Leu Leu Phe
1388 645 650 655
1390 Ser Leu Leu Cys Cys Phe Ser Ser Ser Leu Phe Phe Ile Gly Glu Pro
1391 660 665 670
1393 Gln Asp Trp Thr Cys Arg Leu Arg Gln Pro Ala Phe Gly Ile Ser Phe
1394 675 680 685
1396 Val Leu Cys Ile Ser Cys Ile Leu Val Lys Thr Asn Arg Val Leu Leu
1397 690 695 700
1399 Val Phe Glu Ala Lys Ile Pro Thr Ser Phe His Arg Lys Trp Trp Gly
1400 705 710 715 720
1402 Leu Asn Leu Gln Phe Leu Leu Val Phe Leu Cys Thr Phe Met Gln Ile
1403 725 730 735
1405 Val Ile Cys Val Ile Trp Leu Tyr Thr Ala Pro Pro Ser Ser Tyr Arg
1406 740 745 750
1408 Asn Gln Glu Leu Glu Asp Glu Ile Ile Phe Ile Thr Cys His Glu Gly
1409 755 760 765
1411 Ser Leu Met Ala Leu Gly Phe Leu Ile Gly Tyr Thr Cys Leu Leu Ala
1412 770 775 780
1414 Ala Ile Cys Phe Phe Phe Ala Phe Lys Ser Arg Lys Leu Pro Glu Asn
1415 785 790 795 800
1417 Phe Asn Glu Ala Lys Phe Ile Thr Phe Ser Met Leu Ile Phe Phe Ile
1418 805 810 815
1420 Val Trp Ile Ser Phe Ile Pro Ala Tyr Ala Ser Thr Tyr Gly Lys Phe
1421 820 825 830
1423 Val Ser Ala Val Glu Val Ile Ala Ile Leu Ala Ala Ser Phe Gly Leu
1424 835 840 845
1426 Leu Ala Cys Ile Phe Phe Asn Lys Ile Tyr Ile Ile Leu Phe Lys Pro
1427 850 855 860
1429 Ser Arg Asn Thr Ile Glu Glu Val Arg Cys Ser Thr Ala Ala His Ala
1430 865 870 875 880
1432 Phe Lys Val Ala Ala Arg Ala Thr Leu Arg Arg Ser Asn Val Ser Arg
1433 885 890 895
1435 Lys Arg Ser Ser Ser Leu Gly Gly Ser Thr Gly Ser Thr Pro Ser Ser
1436 900 905 910
1438 Ser Ile Ser Ser Lys Ser Asn Ser Glu Asp Pro Phe Pro Gln Pro Glu
1439 915 920 925
1441 Arg Gln Lys Gln Gln Gln Pro Leu Ala Leu Thr Gln Gln Glu Gln Gln
1442 930 935 940
1444 Gln Gln Pro Leu Thr Leu Pro Gln Gln Gln Arg Ser Gln Gln Gln Pro
1445 945 950 955 960
1447 Arg Cys Lys Gln Lys Val Ile Phe Gly Ser Gly Thr Val Thr Phe Ser
1448 965 970 975
1450 Leu Ser Phe Asp Glu Pro Gln Lys Asn Ala Met Ala His Arg Asn Ser
1451 980 985 990
1453 Thr His Gln Asn Ser Leu Glu Ala Gln Lys Ser Ser Asp Thr Leu Thr
1454 995 1000 1005
1456 Arg His Gln Pro Leu Leu Pro Leu Gln Cys Gly Glu Thr Asp Leu Asp

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/744,788

DATE: 04/04/2001

TIME: 11:31:59

Input Set : A:\A29961.app

Output Set: N:\CRF3\04042001\I744788.raw

1457      1010                      1015                      1020  
1459 Leu Thr Val Gln Glu Thr Gly Leu Gln Gly Pro Val Gly Gly Asp Gln  
E--> 1460 025                      1030                      1035                      1040  
1462 Arg Pro Glu Val Glu Asp Pro Glu Glu Leu Ser Pro Ala Leu Val Val  
1463                      1045                      1050                      1055  
1465 Ser Ser Ser Gln Ser Phe Val Ile Ser Gly Gly Gly Ser Thr Val Thr  
1466                      1060                      1065                      1070  
1468 Glu Asn Val Val Asn Ser  
1469                      1075

→ Invalid amino acid numbering.  
Entire numeral must be seen.:

Leu  
1025

**VERIFICATION SUMMARY**

PATENT APPLICATION: **US/09/744,788**

DATE: 04/04/2001

TIME: 11:32:00

Input Set : **A:\A29961.app**

Output Set: **N:\CRF3\04042001\I744788.raw**

L:11 M:270 C: Current Application Number differs, Replaced Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:1460 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:12